CONTENTS OF VOLUME 7

Number 1, *July* 1974

Heavy Metal Pollution in the Sediments of the Coeur d'Alene River Delta 1
D. MAXFIELD, J. M. RODRIGUEZ, M. BUETTNER, J. DAVIS, L. FORBES, R. KOVACS, W. RUSSEL, L. SCHULTZ, R. SMITH, J. STANTON and C. M. WAI (USA)

The Effects of Phytotoxic Gases on Native Australian Plant Species: Part 1. Acute Effects of Sulphur Dioxide 7
J. A. O'CONNOR, D. G. PARBERY and W. STRAUSS (Australia)

Concentration Changes of Free Amino Acids in Primary Bean Leaves after Continuous and Interrupted SO_2 Fumigation and Recovery 25
S. GODZIK and H. F. LINSKENS (The Netherlands)

The Flow of Solutions of Sodium Alkylbenzene Sulphonate through Porous Media . 39
W. W. EMERSON (Australia)

Locomotory and Dehydrogenase Activities of Redstarts *Phoenicurus phoenicurus* L. (Aves) Given PCB and DDT 53
BÖRJE KARLSSON, BERITH PERSSON, ANDERS SÖDERGREN and STAFFAN ULFSTRAND (Sweden)

Variations in the Zinc, Copper, Manganese and Lead Content of *Balanus balanoides* in Cardigan Bay, Wales 65
M. P. IRELAND (Great Britain)

Book Reviews 77

Number 2, *September* 1974

Organochlorine Residues in Brown Pelican Eggs: Relation to Reproductive Success . 81
LAWRENCE J. BLUS, BURKETT S. NEELY, JR, ANDRE A. BELISLE and RICHARD M. PROUTY (USA)

On the Optical Activity of Polychlorinated Biphenyls 93
KLAUS L. E. KAISER (Canada)

Some Aspects of the Toxicity of p,p′-DDT, p,p′-DDE and p,p′-DDD to the Freshwater Planarian *Polycelis felina* (Tricladida) 103
H. H. KOUYOUMJIAN and R. F. UGLOW (Great Britain)

Effects of Increasing Temperature on Social Behaviour in Groups of Yellow Bullheads (*Ictalurus natalis*) 111
W. O. McLARNEY, D. G. ENGSTROM and J. H. TODD (USA)

The Winter Distribution of Ultra-Violet Absorption in the Surface Waters off the West Coast of the British Isles 121
P. FOSTER and A. W. MORRIS (Great Britain)

Foliar Sorption of Atmospheric Sulphur Dioxide by Woody Plants 133
BRUCE R. ROBERTS (USA)

Mercury Input to the Environment Resulting from Products and Effluents from Municipal Sewage Treatment Plants 141
J. C. VAN LOON (Canada)

Response of Salt Marsh Bivalves to Enrichment with Metal-Containing Sewage Sludge and Retention of Lead, Zinc and Cadmium by Marsh Sediments 149
IVAN VALIELA, MARIO D. BANUS and JOHN M. TEAL (USA)

Environ. Pollut. (7) (1974)—© Applied Science Publishers Ltd, England, 1974
Printed in Great Britain

Number 3, *November* 1974

Incubation Study on Effect of pH on Nitrogen Mineralisation and Nitrification in Soils Treated with 1000 ppm Lead and Zinc, as Oxides 161
M. R. H. BHUIYA and A. H. CORNFIELD (Great Britain)
The Effect of a Crude Oil on Intestinal Absorption in Ducklings (*Anas Platyrhynchos*) . 165
ANN D. CROCKER, J. CRONSHAW and W. N. HOLMES (USA)
Estimation of Heavy Metal Pollution in Two Norwegian Fjord Areas by Analysis of the Brown Alga *Ascophyllum nodosum* 179
ARNE HAUG, SIGURD MELSOM and SVERRE OMANG (Norway)
Occurrence of DDT and PCB Compounds in Baltic Herring and Pike from the Turku Archipelago 193
R. R. LINKO, J. KAITARANTA, P. RANTAMÄKI and L. ERONEN (Finland)
Lead in Forage Grass from a Suburban Area in Northern California 209
DAVID L. GRAHAM and SUMNER M. KALMAN (USA)
Pesticide Effects on Fishes and Birds in Rice Fields of Surinam, South America . . 217
KEES VERMEER, ROBERT W. RISEBROUGH (Canada), ARIE L. SPAANS (Surinam) and LINCOLN M. REYNOLDS (Canada)
Book Reviews 237

Number 4, *December* 1974

The Effect of Heavy Metals on Plants: Part I. Inhibition of Gas Exchange in Sunflower by Pb, Cd, Ni and Tl 241
F. A. BAZZAZ, ROGER W. CARLSON and G. L. ROLFE (USA)
Predisposition of Tobacco to Oxidant Air Pollution Injury by Previous Exposure to Oxidants 247
ALLEN S. HEAGLE and W. W. HECK (USA)
Observations on the Plant Communities of Polluted Industrial Drainage Channels of Karachi, Pakistan 253
M. ZAFAR IQBAL and S. A. QADIR (Pakistan)
The Effects of an Artificial Acid Mist upon the Growth of *Betula alleghaniensis* Britt. . 259
TIM WOOD and F. H. BORMANN (USA)
A Proposed Rapid Test for Susceptibility to Gaseous Fluorides 269
A. W. DAVISON, A. MARSLAND and W. E. BETTS (Great Britain)
The Influence of a Paper Pulp Mill on the Ecological Distribution of Epiphytic Cryptogams in the Vicinity of Lewiston, Idaho, and Clarkston, Washington 283
GEORGE R. HOFFMAN (USA)
Patella vulgata: A Biological Monitor of Coastal Metal Pollution—A Preliminary Study 303
J. NAVROT, A. J. AMIEL and J. KRONFELD (Israel)
Levels of Dieldrin in Dressed Wheat Seed after Drilling and Exposure on the Soil Surface 309
B. N. K. DAVIS (Great Britain)